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STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number	10534210
Filing Date	2006-03-17
First Named Inventor	Salas
Art Unit	1656
Examiner Name	Not yet assigned
Attorney Docket Number	4408-P03626US00

**U.S.PATENTS**

Examiner Initial*	Cite No	Patent Number	Kind Code <sup>1</sup>	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	6193964		2001-02-27	Shiang	
	2	4759928		1988-07-26	Gurusiddaiah	
	3	6815465		2004-11-09	Makk	

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	1	3607287	DE		1988-01-07	Dorgerloh		<input checked="" type="checkbox"/>

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2	09227549	JP		1997-09-02	Wakabayashi	<input checked="" type="checkbox"/>
3	01/68867	WO		2001-09-20	Leadlay	<input type="checkbox"/>
4	01/09113	WO		2001-02-08	Makk	<input type="checkbox"/>
5	8173176	JP		1996-07-09	Wakabayashi	<input checked="" type="checkbox"/>

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	1	Anderson, B.F., et al., (1989) "Crystal and molecular structures of two isomorphous solvates of the macrolide antibiotic borrelidin: absolute configuration determination by incorporation of a chiral solvent in the in the crystal lattice," Aust. J. Chem., 42:717-730.	<input type="checkbox"/>
	2	Anderton, K., et al., (Apr. 17, 1965) "Some structural features of borrelidin, an anti-viral antibiotic," Nature 206:269.	<input type="checkbox"/>
	3	Aparicio, J.F., et al., (1996) "Organization of the biosynthetic gene cluster for rapamycin in Streptomyces hygroscopicus: analysis of the enzymatic domains in the modular polyketide synthase," Gene 169:9-16.	<input type="checkbox"/>
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	5	Beck, J.B., et al., (May 2002) "The hidden steps of domain skipping: macrolactone ring size determination in the pikromycin modular polyketide synthase," Chem. Biol. 9:575-583.	<input type="checkbox"/>

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6	Berger, J., et al., (1949) "Borrelidin, a new antibiotic with anti-borrelia activity and penicillin enhancement properties," Arc. Biochem. 22:476-478.	<input type="checkbox"/>
7	Brautaset, T., et al., (May 23, 2000) "Biosynthesis of the polyene antifungal antibiotic nystatin in Streptomyces noursei ATCC 11455: analysis of the gene cluster and deduction of the biosynthetic pathway," Chem. Biol. 7:395-403.	<input type="checkbox"/>
8	Butler, A.R., et al., (Apr. 8, 1999) "Impact of thioesterase activity on tylosin biosynthesis in Streptomyces fradiae," Chem. Biol. 6:287-292.	<input type="checkbox"/>
9	Caffrey, P., et al., (2001) "Amphotericin biosynthesis in Streptomyces nodosus: deductions from analysis of polyketide synthase and late genes," Chem. Biol. 8:713-723.	<input type="checkbox"/>
10	Cheng, Y.Q., et al., (Mar. 18, 2003) "Type I polyketide synthase requiring a discrete acyltransferase for polyketide biosynthesis," Proc. Natl. Acad. Sci. USA. 100:3149-3154.	<input type="checkbox"/>
11	Cortés J., et al., (Nov. 8, 1990) "An unusually large multifunctional polypeptide in the erythromycin producing polyketide synthase of Saccharopolyspora erythraea," Nature 348:176-178.	<input type="checkbox"/>
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13	Cortés, J., et al., (2002) "Identification and cloning of a type III polyketide synthase required for diffusible pigment biosynthesis in Saccharopolyspora erythraea," Mol. Micro. 44:1213-1224.	<input type="checkbox"/>
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15	Donadio, S., et al., (May 3, 1991) "Modular organization of genes required for complex polyketide biosynthesis," Science 252:675-679.	<input type="checkbox"/>
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17	Duffey, M.O., et al., (2003) "Enantioselective total synthesis of borrelidin," J. Am. Chem. Soc. 125:1458-1459.	<input type="checkbox"/>
18	Eastwood, E.L., et al., (2003) "Borrelidin induces the transcription of amino acid biosynthetic enzymes via a GCN4-dependent pathway," Bioorg. Med. Chem. Lett. 13:2235-2237.	<input type="checkbox"/>
19	Fernandez, E., et al., (Sep. 1998) "Identification of two genes from Streptomyces argillaceus encoding glycosyltransferases involved in transfer of a disaccharide during the biosynthesis of the antitumor drug mithramycin," J. Bacteriol. 180:4929-4937.	<input type="checkbox"/>
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25	Hanessian, S., et al., (2003) "Application of conformation design in acyclic stereoselection: total synthesis of borrelidin as the crystalline benzene solvate," J. Am. Chem. Soc. 125:13784-13792.	<input type="checkbox"/>
26	Bantleon, R., et al. (Apr. 1994) "Chloroperoxidase from Streptomyces lividans: Isolation and characterization of the enzyme and the corresponding gene," J. Bact. 176(8):2339-2347	<input type="checkbox"/>
27	Hunziker, D., et al., (1998) "Primer unit specificity in rifamycin biosynthesis principally resides in the later stages of the biosynthetic pathways," J. Am. Chem. Soc. 120:1092-1093.	<input type="checkbox"/>

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28	Kawamura, T., et al., (Aug. 2003) "Anti-angiogenesis effects of borrelidin are mediated through distinct pathways: Threonyl-tRNA synthetase and caspases are independently involved in suppression of proliferation and induction of apoptosis in endothelial cells," J. Antibiot. 56:709-715.	<input type="checkbox"/>
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30	Lozano, M.J., et al., (Feb. 4, 2000) "Characterization of two polyketide methyltransferases involved in the biosynthesis of the antitumor drug mithramycin by Streptomyces argillaceus," J. Biol. Chem. 275:3065-3074.	<input type="checkbox"/>
31	Maehr, H., et al., (Oct. 1987) "Identity of borrelidin with treponemycin," J. Antibiot. 40:1455-1456.	<input type="checkbox"/>
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33	Moore, B.S., et al., (2001) "Discovery of a new bacterial polyketide biosynthetic pathway," Chembiochem. 2:35-38.	<input type="checkbox"/>
34	Olano, C., et al., (2003) "Evidence from engineered gene fusions for the repeated use of a module in a modular polyketide synthase," Chem. Commun. 2780-2782.	<input type="checkbox"/>
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39	Paetz, W., et al., (1973) "Biochemical and immunological characterization of threonyl-tRNA synthetase of two borrelidin-resistant mutants of Escherichia coli K12," Eur. J. Biochem. 35:331-337.	<input type="checkbox"/>
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43	Reeves, C.D., et al., (2001) "Alteration of the substrate specificity of a modular polyketide synthase acyltransferase domain through site-specific mutations," Biochemistry 40:15464-15470. (7 sheets).	<input type="checkbox"/>
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	50	Swan, D.G., et al., (1994) "Characterization of a Streptomyces antibioticus gene encoding a type I polyketide synthase which has an unusual coding sequence," Mol. Gen. Genet. 242:258-362.	<input type="checkbox"/>
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**CERTIFICATION STATEMENT**

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- ☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

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Name/Print	Robert C. Netter, Jr., Ph.D., J.D.	Registration Number	56,422

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